

Converting Colors

$Y_{xy}(19.2932, 0.2716, 0.4917)$

Have a look what the booklet for
Yxy(19.2932, 0.2716, 0.4917)
contains.

Yxy(19.2757, 0.2715, 0.4916)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(19.2757, 0.2715, 0.4916)$

Conversions

Conversions Part 1

Format	Color
Hex	088C48
RGB	8, 140, 72
RGB Percent	3%, 55%, 28%
CMY	0.9695, 0.4509, 0.7177
CMYK	0.94, 0.00, 0.49, 0.45
HSL	149°, 89%, 29%
HSV	149°, 94%, 55%
XYZ	10.6456, 19.2757, 9.2889
YIQ	92.7800, -56.8440, -49.1320

Conversions

Conversions Part 2

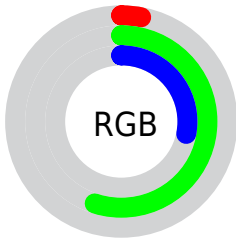
Format	Color
RYB	8, 97, 140
Decimal	560200
CIELab	51.01, -47.81, 27.49
CIELCh	51, 55.151, 150.105
Yxy	19.2757, 0.2715, 0.4916
Android (android.graphics.Color)	4278750280 (0xFF088C48)
YUV	92.7800, -10.2445, -74.3521
Hunter-Lab	43.9041, -33.5508, 18.1888

Details

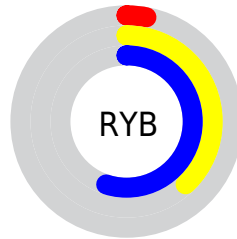
The Yxy color **19.2757, 0.2715, 0.4916** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.2637, 0.4723, 0.2425**, and the grayscale version is **10.9108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3666, 0.2839, 0.4492**, and **7.0540, 0.2855, 0.5479** is the 20% darker color. If you saturate the color by 10%, you get **19.1758, 0.2727, 0.5017**, and if you desaturate by 10%, it is **19.4939, 0.2698, 0.4728**.

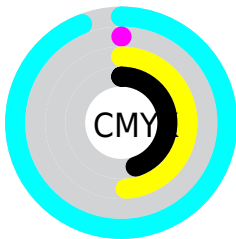
Distribution



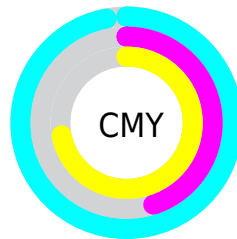
- Red (3%)
- Green (55%)
- Blue (28%)



- Red (3%)
- Yellow (38%)
- Blue (55%)



- Cyan (94%)
- Magenta (0%)
- Yellow (49%)
- Black (45%)





- Cyan (97%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2757, 0.2715, 0.4916 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.2757, 0.2715, 0.4916 by changing the saturation by 10% instead.


 19.2757, 0.2715,
0.4916


 19.2757, 0.2715,
0.4916


247.9666, 0.2989,
0.3918


 11.8697, 0.2609,
0.5253


 42.1995, 0.2838,
0.4495

 6.6550, 0.2439,
0.5753


 58.4860, 0.2876,
0.4356

 3.2473, 0.2155,
0.6603

 78.5014, 0.2906,
0.4245

 1.2622, 0.0000,
1.0000

 102.6302, 0.2929,
0.4155

 0.1116, 0.0000,
1.0000

 131.2567, 0.2948,
0.4081

 0.0000, 0.0000,
0.0000

 164.7653, 0.2964,

0.4018

203.5405, 0.2977,
0.3964

■ 19.2757, 0.2715,
0.4916

■ 19.2757, 0.2715,
0.4916

■ 19.1758, 0.2727,
0.5017

■ 19.4939, 0.2698,
0.4728

■ 19.8078, 0.2700,
0.4534

■ 20.2319, 0.2719,
0.4337

■ 20.7767, 0.2756,
0.4144

■ 21.4515, 0.2807,
0.3959

■ 22.2648, 0.2869,
0.3785

■ 23.2243, 0.2939,
0.3624

■ 24.3369, 0.3014,
0.3477

■ 25.6094, 0.3092,
0.3344

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.2757, 0.3654, 0.5200



19.2757, 0.2715, 0.4916



19.2757, 0.1940, 0.3854

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.2757, 0.2715, 0.4916



19.2757, 0.1742, 0.1831



19.2757, 0.5041, 0.3353

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.2757, 0.2715, 0.4916



6.2637, 0.4723, 0.2425

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.2757, 0.4349, 0.2709



19.2757, 0.2715, 0.4916



19.2757, 0.2350, 0.1879

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.2757, 0.2715, 0.4916



19.2757, 0.1473, 0.2091



19.2757, 0.3293, 0.2188



19.2757, 0.5059, 0.4052

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.2757, 0.2715, 0.4916



19.2757, 0.1620, 0.3084



19.2757, 0.3293, 0.2188



19.2757, 0.4879, 0.3130

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.2765, 0.2715, 0.4916



40.2079, 0.2909, 0.3689



20.3159, 0.3427, 0.5610



9.1170, 0.2882, 0.3751



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.2765, 0.2715, 0.4916



33.7715, 0.2737, 0.5053



20.6380, 0.2270, 0.3334



5.6461, 0.3055, 0.3405



17.0404, 0.2725, 0.5009



0.1161, 0.2507, 0.4224

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6.2637, 0.4723, 0.2425



10.6223, 0.4895, 0.2470



5.7668, 0.6244, 0.3287



5.0887, 0.3206, 0.3178



5.3739, 0.4843, 0.2442



0.0387, 0.4000, 0.1977

Previews

White Background



This preview shows how the Yxy color 19.2757, 0.2715, 0.4916 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 19.2757, 0.2715, 0.4916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.2757, 0.2715, 0.4916

Background



This preview shows how black text looks on a background with the Yxy color 19.2757, 0.2715, 0.4916.



This preview shows how white text looks on a background with the Yxy color 19.2757, 0.2715, 0.4916.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.2757, 0.2715, 0.4916

Protanopia

19.0429, 0.3946, 0.4302

Deuteranopia

18.8313, 0.4009, 0.3936



Tritanopia

19.2700, 0.2341, 0.3062

Trichromacy



Original Color

19.2757, 0.2715, 0.4916



Protanomaly

17.8819, 0.3269, 0.4606



Deuteranomaly

17.3700, 0.3300, 0.4332



Tritanomaly

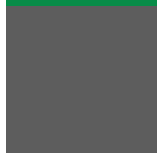
19.0056, 0.2455, 0.3692

Monochromacy



Original Color

19.2757, 0.2715, 0.4916



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

12.8319, 0.2821, 0.3934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2757, 0.2715, 0.4916 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(8, 140, 72)` looks like.

```
.text, #text, p{  
    color:rgb(8, 140, 72)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(8, 140, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 140, 72) }
```

Border

The CSS property to change the border of an element to Yxy 19.2757, 0.2715, 0.4916 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(8, 140, 72) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(8, 140, 72) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(8, 140, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 140, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 140, 72);  
box-shadow:4px 4px 4px 4px rgb(8, 140, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.2757, 0.2715, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 140, 72) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(8, 140,  
72) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor